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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/721,248	11/26/2003	Jong Chul Bang	K-0570	6122
34610	7590	10/06/2005	EXAMINER	
FLESHNER & KIM, LLP P.O. BOX 221200 CHANTILLY, VA 20153			LU, JIPING	
			ART UNIT	PAPER NUMBER
			3749	

DATE MAILED: 10/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/721,248

Applicant(s)

BANG, JONG CHUL

Examiner

Jiping Lu

Art Unit

3749

– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Drawings

1. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

2. Claim 9 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 9 recites the limitation "the converting switch" in line 2. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 3-6 and 7, 9-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Czech (U. S. Pat. 4,336,472).

Czech shows a dryer comprising a cabinet 11, a drum 22, a heater 27, a converting switch 40, a centrifugal switch with a body 54 connected to a shaft 32 of a motor 16 to have loading recesses 53 at an outside, a pair of balance weights 51 having supports 52 wherein one ends of the supports 52 are inserted in the loading recesses 53, a plate 54, a return spring (see Fig. 2), a lever 70, and a connector 60, 61 which are arranged same as claimed.

5. Claims 1, 3-6 and 7, 9-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Jackson et al. (U. S. Pat. 4,488,363).

Jackson et al. show a dryer comprising a cabinet 34, a drum 42, a heater 88, a converting switch 160, a centrifugal switch with a body 124 connected to a shaft 66 of a motor 60 to have loading recesses 144 at an outside, a pair of balance weights 138 having supports 140 wherein one ends 142 of the supports 140 are inserted in the loading recesses 144, a plate 150, a return spring 148, a lever 156, and a connector 149 which are arranged same as claimed.

6. Claims 7, 9-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Heilman et al. (U. S. Pat. 5,293,090).

Heilman et al. show a centrifugal switch of a motor comprising a body 3 connected to a shaft 9 of a motor 1 to have loading recesses 20 at an outside, a pair of balance weights 28 having supports 27 wherein one ends 30 of the supports 27 are inserted in the loading recesses, a plate 17, a return spring 29, a lever 13, a converting switch 2 and a connector 9, 10, 21 which are arranged same as claimed.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 2 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Czech (U. S. Pat. 4,336,472) or Jackson et al. (U. S. Pat. 4,488,363) in view of Schnepf (U. S. Pat. 2,747,854).

The dryer of Czech or Jackson et al. as above includes all that is recited in claims 2 and 8 except for the rounded loading recesses and rounded ends of the supports. Schnepf teaches a centrifugal switch with rounded loading recesses 60 and rounded ends 59 of the supports 52 for reducing friction. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the centrifugal switch of Czech or Jackson et al. to include rounded loading recessed and rounded ends of the supports as taught by Schnepf in order to provide minimum friction when the ends of the supports engage the recesses.

9. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Heilman et al. (U. S. Pat. 5,293,090) in view of Schnepf (U. S. Pat. 2,747,854).

The centrifugal switch of Heilman et al. as above includes all that is recited in claim 8 except for the rounded loading recesses and rounded ends of the supports. Schnepf teaches a centrifugal switch with rounded loading recesses 60 and rounded ends 59 of the supports 52 for reducing friction. Therefore, it would have been obvious to one having ordinary skill in the art at

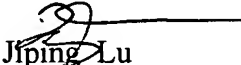
the time the invention was made to modify the centrifugal switch of Heilman et al. to include rounded loading recessed and rounded ends of the supports as taught by Schnepf in order to provide minimum friction when the ends of the supports engage the recesses.

Conclusion

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jiping Lu whose telephone number is 571 272 4878. The examiner can normally be reached on Monday-Friday, 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ira Lazarus can be reached on 571 272-4877. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Jiping Lu
Primary Examiner
Art Unit 3749

J. L.